

We claim:

1. A vibration isolation handle for a power tool, comprising:

a handle shaft attached to said power tool at a first point of attachment;

a mounting flange, attached to said handle shaft, for attachment of a branch handle;

a branch handle, parallel with said handle shaft and attached to said handle shaft at a lower attachment point and an upper attachment point, and including handle grips; and

a resilient member in said upper attachment point, mounted to said mounting flange so that connection between said branch handle and said handle shaft is through said resilient member; wherein

said resilient member dampens vibration from said power tool, and does not transmit vibration from said handle shaft to said branch handle.

2. The vibration isolation handle for a walk behind power tool of claim 1 in which said branch handle includes a left handle tube and a right handle tube, with a left and a right handle grip attached to said handle tubes.

3. The vibration isolation handle for a walk behind power tool of claim 2, in which said left and right handle tubes include a first portion which is generally parallel with said handle shaft, and a second section which diverges from parallel with said handle shaft, to form said left and right handle grips.

4. The vibration isolation handle for a walk behind power tool of claim 1 in which said resilient member is a rubber grommet.

5. A vibration isolation handle for a power tool, comprising:

a handle shaft attached to said power tool at a first point of attachment;

an upper mounting flange, and a lower mounting flange, attached to said handle shaft, for attachment of a branch handle;

a branch handle, parallel with said handle shaft and attached to said handle shaft at a lower attachment point and an upper attachment point, and including handle grips, said branch handle including a left handle tube and a right handle tube, with a left and a right handle grip attached to said handle tubes;

a resilient member in said upper attachment point, mounted to said mounting flange so that connection between said branch handle and said handle shaft is through said resilient member; wherein

said resilient member dampens vibration from said power tool, and does not transmit vibration from said handle shaft to said branch handle.

6. The vibration isolation handle for a walk behind power tool of claim 2, in which said left and right handle tubes include a first portion which is generally parallel with said handle shaft, and a second section which diverges from parallel with said handle shaft, to form said left and right handle grips.

7. The vibration isolation handle for a walk behind power tool of claim 1 in which said resilient member is a rubber grommet.

8. The vibration isolation handle for a walk behind power tool of claim 2, in which said upper connection comprises a resilient member bracket attached to said handle shaft and extending between said left and right handle tubes, with said resilient member mounted in said bracket, and an attachment bolt which passes through said left and right handle tubes and through said resilient member, thereby attaching said branch handle to said handle shaft and isolating said handle grips from vibration from said handle shaft.

9. The vibration isolation handle of claim 6 which further includes a spacer mounted inside said resilient member, through which said bolt passes for connecting said branch handle to said main handle.

10. The vibration isolation handle for a walk behind power tool of claim 1, in which said power tool is configured for work on floors.

11. The vibration isolation handle for a walk behind power tool of claim 1, in which said power tool is configured to finish cement floors.
12. The vibration isolation handle for a walk behind power tool of claim 1, in which said handle shaft contains a control device for controlling the power tool.
13. The vibration isolation handle for a walk behind power tool of claim 7 in which the control device is a trowel angle adjustment linkage, with an adjusting knob available for adjusting the angle of the trowel, and said trowel angle adjustment linkage is for adjusting trowel pitch of cement finishing trowels of said power tool.
14. The vibration isolation handle for a walk behind power tool of claim 1 in which said handle shaft is connected to said power tool by a rigid connection.